RAW SEQUENCE LISTING

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Application Serial Number: _____ 10/084,638 _____

Source: _____ IFW16 _____

Date Processed by STIC: _____ 10/20/2005 _____

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IFW16

RAW SEQUENCE LISTING   DATE: 10/20/2005
PATENT APPLICATION: US/10/084,638   TIME: 11:10:24

Input Set : A:\51192177.txt
Output Set: N:\CRF4\10202005\J084638.raw

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 3 <110> APPLICANT: BABICH, MICHAEL
 5 <120> TITLE OF INVENTION: COMPOSITIONS OF MULTIMERIC PROFILIN FOR DIAGNOSIS AND
 6       TREATMENT OF ALLERGIES
 8 <130> FILE REFERENCE: 21511-92177
10 <140> CURRENT APPLICATION NUMBER: 10/084,638
11 <141> CURRENT FILING DATE: 2002-02-27
13 <150> PRIOR APPLICATION NUMBER: 60/272,149
14 <151> PRIOR FILING DATE: 2001-02-28
16 <160> NUMBER OF SEQ ID NOS: 31
18 <170> SOFTWARE: PatentIn Ver. 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 134
22 <212> TYPE: PRT
23 <213> ORGANISM: Apium graveolens
25 <400> SEQUENCE: 1
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29 Gly Asn Pro Gly Gln Thr Leu Thr Ala Ala Ala Ile Ile Gly His Asp
30              20                  25                  30
32 Gly Ser Val Trp Ala Gln Ser Ser Thr Phe Pro Gln Ile Lys Pro Glu
33          35                  40                  45
35 Glu Ile Ala Gly Ile Met Lys Asp Phe Asp Glu Pro Gly His Leu Ala
36      50                  55                  60
38 Pro Thr Gly Leu Tyr Leu Gly Gly Ala Lys Tyr Met Val Ile Gln Gly
39 65                  70                  75                  80
41 Glu Pro Asn Ala Val Ile Arg Gly Lys Lys Gly Ser Gly Gly Val Thr
42                  85                  90                  95
44 Ile Lys Lys Thr Gly Gln Ala Leu Val Phe Gly Val Tyr Asp Glu Pro
45              100                 105                 110
47 Val Thr Pro Gly Gln Cys Asn Val Ile Val Glu Arg Leu Gly Asp Tyr
48          115                 120                 125
50 Leu Ile Asp Gln Gly Leu
51      130
54 <210> SEQ ID NO: 2
55 <211> LENGTH: 131
56 <212> TYPE: PRT
57 <213> ORGANISM: Arachis hypogaea
59 <400> SEQUENCE: 2
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61   1               5                  10                  15
63 Gly Asp His Leu Ser Ser Ala Ala Ile Leu Gly Gln Asp Gly Gly Val
64              20                  25                  30
66 Trp Ala Gln Ser Ser His Phe Pro Gln Phe Lys Pro Glu Glu Ile Thr
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67            35                    40                    45
69 Ala Ile Met Asn Asp Phe Ala Glu Pro Gly Ser Leu Ala Pro Thr Gly
70      50                    55                    60
72 Leu Tyr Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
73 65                    70                    75                    80
75 Ala Ile Ile Pro Gly Lys Lys Gly Pro Gly Gly Val Thr Ile Glu Lys
76                    85                    90                    95
78 Thr Asn Gln Ala Leu Ile Ile Gly Ile Tyr Asp Lys Pro Met Thr Pro
79            100                   105                   110
81 Gly Gln Cys Asn Met Ile Val Glu Arg Leu Gly Asp Tyr Leu Ile Asp
82        115                   120                   125
84 Thr Gly Leu
85      130
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 133
90 <212> TYPE: PRT
91 <213> ORGANISM: Betula pendula
93 <400> SEQUENCE: 3
94 Met Ser Trp Gln Thr Tyr Val Asp Glu His Leu Met Cys Asp Ile Asp
95  1             5                    10                    15
97 Gly Gln Ala Ser Asn Ser Leu Ala Ser Ala Ile Val Gly His Asp Gly
98             20                    25                    30
100 Ser Val Trp Ala Gln Ser Ser Ser Phe Pro Gln Phe Lys Pro Gln Glu
101            35                    40                    45
103 Ile Thr Gly Ile Met Lys Asp Phe Glu Glu Pro Gly His Leu Ala Pro
104        50                    55                    60
106 Thr Gly Leu His Leu Gly Gly Ile Lys Tyr Met Val Ile Gln Gly Glu
107 65                    70                    75                    80
109 Ala Gly Ala Val Ile Arg Gly Lys Lys Gly Ser Gly Gly Ile Thr Ile
110                   85                    90                    95
112 Lys Lys Thr Gly Gln Ala Leu Val Phe Gly Ile Tyr Glu Glu Pro Val
113            100                   105                   110
115 Thr Pro Gly Gln Cys Asn Met Val Val Glu Arg Leu Gly Asp Tyr Leu
116        115                   120                   125
118 Ile Asp Gln Gly Leu
119      130
122 <210> SEQ ID NO: 4
123 <211> LENGTH: 131
124 <212> TYPE: PRT
125 <213> ORGANISM: Cynodon dactylon
127 <400> SEQUENCE: 4
128 Met Ser Trp Gln Ala Tyr Val Asp Asp His Leu Met Cys Glu Ile Glu
129  1             5                    10                    15
131 Gly His His Leu Thr Ser Ala Ala Ile Ile Gly His Asp Gly Thr Val
132            20                    25                    30
134 Trp Ala Gln Ser Ala Ala Phe Pro Ala Phe Lys Pro Glu Glu Met Ala
135        35                    40                    45
137 Asn Ile Met Lys Asp Phe Asp Glu Pro Gly Phe Leu Ala Pro Thr Gly
138      50                    55                    60
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140 Leu Phe Leu Gly Pro Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
141 65                  70                  75                  80
143 Ala Val Ile Arg Gly Lys Lys Gly Ser Gly Gly Val Thr Val Lys Lys
144                 85                  90                  95
146 Thr Gly Gln Ala Leu Val Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
147             100                 105                 110
149 Gly Gln Cys Asn Met Val Ile Glu Lys Leu Gly Asp Tyr Leu Ile Glu
150         115                 120                 125
152 Gln Gly Met
153     130
156 <210> SEQ ID NO: 5
157 <211> LENGTH: 131
158 <212> TYPE: PRT
159 <213> ORGANISM: Glycine max
161 <400> SEQUENCE: 5
162 Met Ser Trp Gln Ala Tyr Val Asp Asp His Leu Leu Cys Asp Ile Glu
163   1               5                  10                  15
165 Gly Asn His Leu Thr His Ala Ala Ile Ile Gly Gln Asp Gly Ser Val
166             20                  25                  30
168 Trp Ala Gln Ser Thr Asp Phe Pro Gln Phe Lys Pro Glu Glu Ile Thr
169             35                  40                  45
171 Ala Ile Met Asn Asp Phe Asn Glu Pro Gly Ser Leu Ala Pro Thr Gly
172     50                  55                  60
174 Leu Tyr Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
175 65                  70                  75                  80
177 Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Lys Lys
178                 85                  90                  95
180 Thr Gly Ala Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
181             100                 105                 110
183 Gly Gln Cys Asn Met Val Val Glu Arg Pro Gly Asp Tyr Leu Ile Asp
184         115                 120                 125
186 Gln Gly Tyr
187     130
190 <210> SEQ ID NO: 6
191 <211> LENGTH: 131
192 <212> TYPE: PRT
193 <213> ORGANISM: Glycine max
195 <400> SEQUENCE: 6
196 Met Ser Trp Gln Ala Tyr Val Asp Asp His Leu Leu Cys Gly Ile Glu
197   1               5                  10                  15
199 Gly Asn His Leu Thr His Ala Ala Ile Ile Gly Gln Asp Gly Ser Val
200             20                  25                  30
202 Trp Leu Gln Ser Thr Asp Phe Pro Gln Phe Lys Pro Glu Glu Ile Thr
203             35                  40                  45
205 Ala Ile Met Asn Asp Phe Asn Glu Pro Gly Ser Leu Ala Pro Thr Gly
206     50                  55                  60
208 Leu Tyr Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
209 65                  70                  75                  80
211 Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Lys Lys
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212                 85              90              95
214 Thr Gly Ala Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
215                 100             105             110
217 Gly Gln Cys Asn Met Val Val Glu Arg Leu Gly Asp Tyr Leu Ile Asp
218         115             120             125
220 Gln Gly Tyr
221     130
224 <210> SEQ ID NO: 7
225 <211> LENGTH: 133
226 <212> TYPE: PRT
227 <213> ORGANISM: Helianthus annuus
229 <400> SEQUENCE: 7
230 Met Ser Trp Gln Ala Tyr Val Asp Glu His Leu Met Cys Asp Ile Glu
231  1               5               10              15
233 Gly Thr Gly Gln His Leu Thr Ser Ala Ala Ile Leu Gly Leu Asp Gly
234             20              25              30
236 Thr Val Trp Ala Gln Ser Ala Lys Phe Pro Gln Phe Lys Pro Glu Glu
237         35              40              45
239 Met Lys Gly Ile Ile Lys Glu Phe Asp Glu Ala Gly Thr Leu Ala Pro
240     50              55              60
242 Thr Gly Met Phe Ile Ala Gly Ala Lys Tyr Met Val Leu Gln Gly Glu
243  65              70              75              80
245 Pro Gly Ala Val Ile Arg Gly Lys Lys Gly Ala Gly Gly Ile Cys Ile
246             85              90              95
248 Lys Lys Thr Gly Gln Ala Met Ile Met Gly Ile Tyr Asp Glu Pro Val
249         100             105             110
251 Ala Pro Gly Gln Cys Asn Met Val Val Glu Arg Leu Gly Asp Tyr Leu
252         115             120             125
254 Leu Glu Gln Gly Met
255     130
258 <210> SEQ ID NO: 8
259 <211> LENGTH: 131
260 <212> TYPE: PRT
261 <213> ORGANISM: Hevea brasiliensis
263 <400> SEQUENCE: 8
264 Met Ser Trp Gln Ala Tyr Val Asp Asp His Leu Met Cys Glu Ile Glu
265  1               5               10              15
267 Gly Asn His Leu Ser Ala Ala Ala Ile Ile Gly Gln Asp Gly Ser Val
268             20              25              30
270 Trp Ala Gln Ser Ala Asn Phe Pro Gln Phe Lys Ser Glu Glu Ile Thr
271         35              40              45
273 Gly Ile Met Ser Asp Phe His Glu Pro Gly Thr Leu Ala Pro Thr Gly
274     50              55              60
276 Leu Tyr Ile Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
277  65              70              75              80
279 Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Lys Lys
280             85              90              95
282 Thr Asn Gln Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
283         100             105             110
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285 Gly Gln Cys Asn Met Ile Val Glu Arg Leu Gly Asp Tyr Leu Ile Asp
286         115                 120                 125
288 Gln Gly Tyr
289     130
292 <210> SEQ ID NO: 9
293 <211> LENGTH: 131
294 <212> TYPE: PRT
295 <213> ORGANISM: Hevea brasiliensis
297 <400> SEQUENCE: 9
298 Met Ser Trp Gln Thr Tyr Val Asp Glu Arg Leu Met Cys Glu Ile Glu
299 1               5               10                  15
301 Gly Asn His Leu Thr Ala Ala Ala Ile Ile Gly Gln Asp Gly Ser Val
302         20                  25                  30
304 Trp Ala Gln Ser Ser Asn Phe Pro Gln Phe Lys Ser Glu Glu Ile Thr
305         35                  40                  45
307 Ala Ile Met Ser Asp Phe Asp Glu Pro Gly Thr Leu Ala Pro Thr Gly
308     50                  55                  60
310 Leu His Leu Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Ala Gly
311 65                  70                  75                  80
313 Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Arg Lys
314                 85                  90                  95
316 Thr Asn Gln Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
317         100                 105                 110
319 Gly Gln Cys Asn Met Ile Val Glu Arg Leu Gly Asp Tyr Leu Leu Glu
320         115                 120                 125
322 Gln Gly Met
323     130
326 <210> SEQ ID NO: 10
327 <211> LENGTH: 131
328 <212> TYPE: PRT
329 <213> ORGANISM: Hevea brasiliensis
331 <400> SEQUENCE: 10
332 Met Ser Trp Gln Ala Tyr Val Asp Asp His Leu Met Cys Glu Ile Glu
333 1               5               10                  15
335 Gly Asn His Leu Ser Ala Ala Ala Ile Ile Gly Gln Asp Gly Ser Val
336         20                  25                  30
338 Trp Ala Gln Ser Ala Asn Phe Pro Gln Phe Lys Ser Glu Glu Ile Thr
339         35                  40                  45
341 Gly Ile Met Ser Asp Phe His Glu Pro Gly Thr Leu Ala Pro Thr Gly
342     50                  55                  60
344 Leu Tyr Ile Gly Gly Thr Lys Tyr Met Val Ile Gln Gly Glu Pro Gly
345 65                  70                  75                  80
347 Ala Val Ile Arg Gly Lys Lys Gly Pro Gly Gly Val Thr Val Lys Lys
348                 85                  90                  95
350 Thr Asn Gln Ala Leu Ile Ile Gly Ile Tyr Asp Glu Pro Met Thr Pro
351         100                 105                 110
353 Gly Gln Cys Asn Met Ile Val Glu Arg Leu Gly Asp Tyr Leu Ile Asp
354         115                 120                 125
356 Gln Gly Tyr
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VERIFICATION SUMMARY   DATE: 10/20/2005
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